

AdaptNet for 9 April 2013

Recommended Citation

"AdaptNet for 9 April 2013", ADAPTNet English Edition, April 09, 2013,
<https://nautilus.org/adaptnet/adaptnet-for-9-april-2013/>

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Functional Resilience of Port Environs in a Changing Climate

This report designs a methodological framework for systematically identifying the vulnerability of Australian port assets, infrastructure, and logistics operations to weather-related impacts and future climate change. It develops an agent based model to simulate the likely impacts of climate-related extreme events on port operations. The report investigates the implications for operations practice, and options to increase the adaptive capacity of the ports workforce.

[Functional Resilience of Port Environs in a Changing Climate - Assets and Operations](#), Prem Chhetri et al., Enhancing the Resilience of Seaports to a Changing Climate Report Series, RMIT University & National Climate Change Adaptation Research Facility (NCCARF), Australia, 2013 [2.77 MB, PDF]

Mainstreaming Adaptation into Local Development Planning

The study helps understand climate risks and uncertainty within local communities and demonstrates the integration of climate change adaptation into local development plans. It assesses climate risks, uncertainty and vulnerability within the Sapanhin sub-district (Nong Mamong district) in Thailand. The study employs a mixture of approaches (e.g., participatory rural appraisal, review of local development plans and related documents, & in-depth interviews, household surveys, and focus group discussions) to identify adaptation options in the area.

[Mainstreaming Adaptation into Local Development Planning: A Case Study in Chainat, Thailand](#), Kitichai Rattana & Dusita Krawanchid, Partner Report Series No. 7, Adaptation Knowledge Platform, Stockholm Environment Institute, Bangkok, 2013 [1.23 MB, PDF]

Climate Stressors and the Vulnerability of Older Adults

This paper assesses the vulnerability of older Americans to climate change and identifies opportunities for adaptation. A literature survey finds that older Americans are likely to be especially vulnerable to stressors associated with climate change. The paper argues that additional study is needed of the vulnerability of older adults and the interplay of vulnerability, resilience, and adaptive responses to projected climate stressors.

[Climate Change and Older Americans: State of the Science \(Review\)](#), Janet L. Gamble et al., Environmental Health Perspectives, vol. 121, No. 1, pp. 15-22, 2013 [243 KB, PDF]

Climate Change and Mosquito-borne Diseases in China

The paper summarizes what is known about the impact of climate change on the incidence and prevalence of malaria, dengue fever and Japanese encephalitis in China and provides information and direction for adaptation policy making. As a result of a literature survey, the paper makes some key adaptation recommendations including: improving current surveillance and monitoring systems; concentrating adaptation strategies and policies on vulnerable communities; and strengthening adaptive capacity of public health systems.

[Climate Change and Mosquito-borne Diseases in China: A Review](#), Li Bai, Lindsay Carol Morton and Qiyong Liu, Open Access, Globalization and Health , vol. 9, No. 10, pp. 1-22, 2013 [419 KB, PDF]

Heavy Weather: Climate and the Australian Defence Force

This report argues that the downstream implications of climate change are forcing Australian Defence Force to become involved in mitigation and response tasks. It makes a number of recommendations including: Defence should work with the Department of the Prime Minister and Cabinet and the Department of Climate Change and Energy Efficiency to address climate event scenarios for Australia and the Asia-Pacific and to manage the risks those scenarios pose to national resilience and regional stability.

[Heavy Weather: Climate and the Australian Defence Force](#), Special Report, Anthony Press, Anthony Bergin and Eliza Garnsey, Issue 49, Australian Strategic Policy Institute (ASPI), Australia, March 2013

Climate Adaptation Champions 2013

NCCARF annual climate adaptation champion awards highlight the achievements of people taking concrete steps to change behaviour, techniques, businesses practices and policies to adapt to climate variability and change. A nationwide search for 2013 climate adaptation champions is on to share the stories of Australian people, businesses and organisations who are champions of practical and innovative ways to adapt to climate change. The nominations close on 19th April 2013.

[Climate Adaptation Champions 2013](#), National Climate Change Adaptation Research Facility (NCCARF), Australia, 2013 [453 KB, PDF]

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AdaptNet is a free fortnightly report produced by RMIT University Global Cities Research Institute's Climate Change Adaptation Programme, Melbourne, Australia. It is published in partnership with the Nautilus Institute for Security and Sustainability.

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